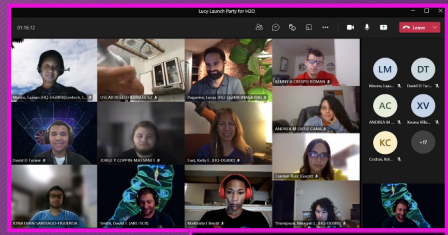
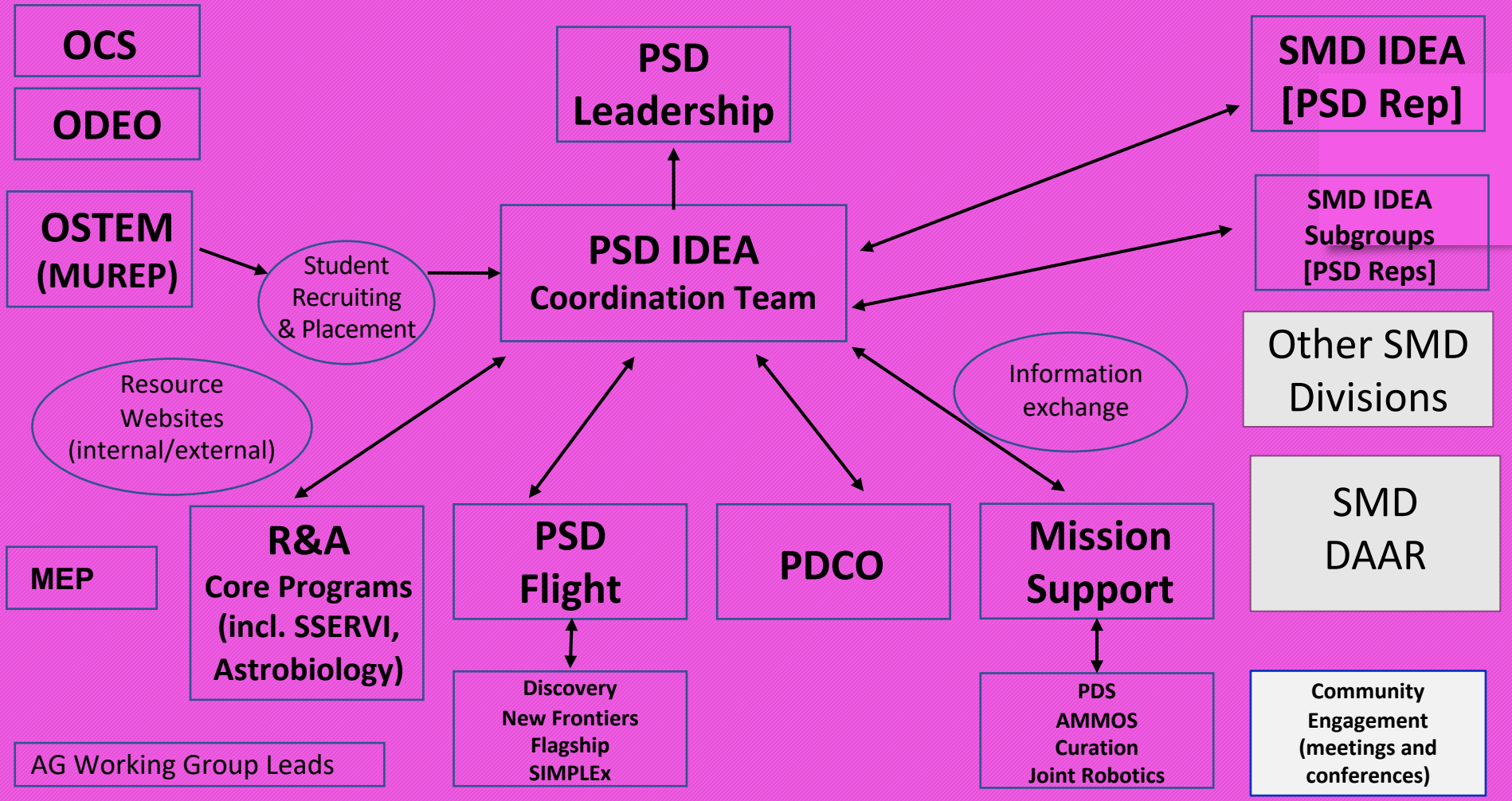
IDEA Activities in NASA's Planetary Science Division

LaJuan Moore, Meagan Thompson, Nicolle Zellner

Planetary Science Division - IDEA

- The PSD IDEA team has been created and the goal is to collect, track, and communicate the different initiatives we are undertaking across the division. Since starting the team, the focus has been on communication, conferences, IDEA training, and the PSD responses to the Decadal Survey State of the Profession chapter.
- The IDEA team has participated in several major conferences this year through presentations:
  - LPSC - IDEA Special Session
  - Advancing IDEA Planetary Science conference presentations and breakout sessions
  - AbSciCon - IDEA Special Session
- The upcoming conferences that the PSD IDEA team will be participating in this year are:
  - The Second National Conference: Justice in Geoscience – August
  - SACNAS - October
  - NSBP - November
- PSD IDEA Team is focused on working with SMD IDEA Working Group on the SMD IDEA strategic plans

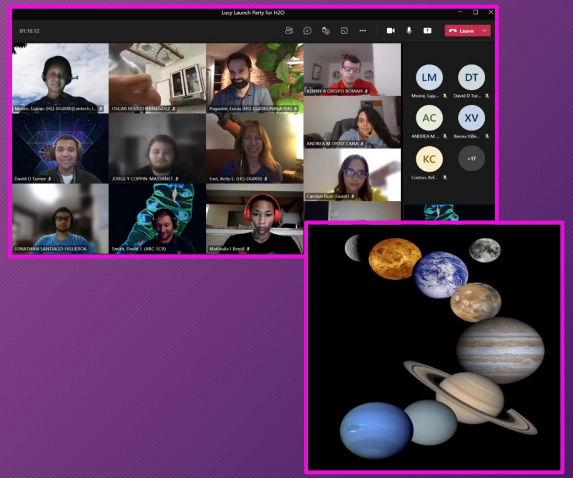




Create Lines of Communication

Planetary Science Division - IDEA

- PSD has had a heavy push on working on the decadal responses, to meet the 90 day turn-around.
- No Due Date (NoDD)
- Dual-Anonymous Peer Review (DAPR)
- Inclusion Plan pilot (PRISM, SSERVI)
- Here To Observe (H2O) Pilot Program
- Community-wide Exploration and Analysis Groups
- Proposal Review Panels
- Internal NASA Headquarters Internships
- SMD Bridge Program
- PSD Programs IDEA Initiative Plans



Thank You!

Let’s Work Together to Implement Change!!

Background Slides

Understanding the Issues: Demographics/Diversity

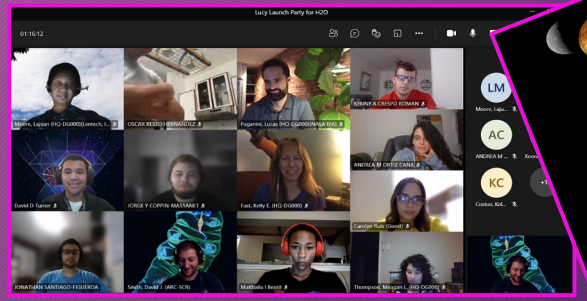
Direct Comparison between U.S. Population (2019), NASA Workforce (2020), and the Planetary Science Community (2020 DPS Workforce Survey), in %.

	White	Black or African American	Asian American	Hispanic/ Latinx	Native Peoples	Multi -race
US Population	60.1	12.5	5.8	18.5	0.9	2.2
NASA Workforce	72	12	8	7	1.1	0.3
NASA Science & Engineering ++	76	6.2	9.3	7.6	0.8	0.2
Planetary Science+	87	1	10	5	*	5

+: Respondents could select more than one ethnicity so the total number is >100%.
*: This group had less than 10 respondents, but at least 2 people were in this group. ~25% of respondents are members of DPS.
++: Does not include contractors

Outline

- Revisions to Proposal Process
- Inclusion Plans
- NASA/MSI Partnerships
- Opportunities
  - Review Panels
  - Internships & Other Jobs
  - Analysis Groups



DAPR & No Due Date (NoDD)

- DAPR
  - Anonymous proposals and reviewers
  - Intention is to remove evaluation biases
- NoDD
  - Flexibility for proposers, incl. those at smaller institutions or those with thinly staffed authorized organizational representative (AOR) departments
  - Minimize/eliminate conflicting due dates
  - Allow proposers to participate in reviews more readily

List of Planetary Science No Due Date (NoDD) Programs in ROSES-2021:
C.2 Emerging Worlds (EW),
C.3 Solar System Workings (SSW),
C.4 Planetary Data Archiving, Restoration, and Tools (PDART),
C.5 Exobiology (ExoBio),
C.6 Solar System Observations (SSO),
C.12 Planetary Instrument Concepts for the Advancement of Solar System Observations (PICASSO) and
C.16 Laboratory Analysis of Returned Samples (LARS)

Inclusion Plans

Piloted by ATP, PRISM, + SSERVI

- Can SMD assess whether R&A investigations would promote inclusion and can such assessments factor into selection decisions?
  - Required metrics of success in plans
  - Allowed use of PRISM funds for Inclusion Plan efforts
  - Distinguished Inclusion Plans from public engagement efforts
  - Included IDEA experts and scientists with IDEA expertise

- Lessons Learned (PRISM)
  - Social scientists should be involved in both drafting solicitation language and reviewing Inclusion Plans
  - Solicitations should acknowledge that teams have different resources available to them
  - Programs should consider including all aspects of IDEA

Here To Observe (H2O) Pilot Program

- Co-created program that pairs missions with MSI institutions
- Goal
  - Spark and maintain interest in students at MSIs who are considering STEM careers
- Approach
  - Encourage peer cohort-building at the institution level
  - Provide access for undergraduate student observers
  - Support meaningful mentorship activities
- Plans to scale up

Virtual Proposal Review Panels

https://science.nasa.gov/researchers/volunteer-review-panels

Increased participation

- Executive Secretary (ECR)
  - Grad Student or Post Doc
- Group Chief
- External Reviewers

Honorarium

- $350-$450 per day, more for reviewing mission proposals

Planetary Science Analysis Groups

https://science.nasa.gov/science-committee/subcommittees/nac-planetary-science-subcommittee/analysis-groups

Community-wide Exploration and Analysis Groups (-AGs):

- LEAG (Moon)
- MEPAG (Mars)
- OPAG (Outer Planets)
- ExMAG (Extraterrestrial Materials)
- SBAG (Small Bodies)
- VExAG (Venus)
- MExAG (Mercury)
- MAPSIT (Planetary Geological Mapping)
- **Cross-AG IDEA WG**